ney's Docket No. 6491.P059

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Hossein Sedarat

Examiner:

Not Yet Assigned

Application No.: 10/789,552

Art Unit:

2631

Filed:

February 26, 2004

For:

**BIT-LOADING IN MULTICARRIER** 

COMMUNICATION SYSTEMS IN

THE PRESENCE OF AN

ASYMMETRIC, CORRELATED GAUSSIAN NOISE SOURCES

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

# INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search

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has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

X	37 C.F.R. §1.97(b).
	37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
	A statement pursuant to 37 C.F.R. §1.97(e) or
	A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
	37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: <u>3-2</u>, 2005

Thomas S. Ferrill Reg. No. 42,532

12400 Wilshire Blvd. Seventh Floor Los Angeles, CA 90025 (408) 720-8300

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FEE TRANSMITTAL FOR FY 2005 (FY 2005 Begins 10/01/2004. Fee changes made on 11/22/04 and 12/08/04 are included.) TOTAL AMOUNT OF PAYMENT (\$) 0 omplete if Known: Application No. 10/789,552 February 26, 2004 **Filing Date First Named Inventor** Hossein Sedarat **Examiner Name** Not Yet Assigned **Art Unit** 2631 Attorney Docket No. 6491.P059 Applicant claims small entity status. See 37 CFR 1.27. **METHOD OF PAYMENT** (check all that apply) Check **Credit Card** Money Order Other **Deposit Account** Deposit Account Number: 02-2666 **Deposit Account Name:** The Director is Authorized to do the following with respect to the above-identified Deposit Account: Charge fee(s) indicated below. Credit any overpayments. Charge any additional fees during the pendency of this application. Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged. Charge fee(s) indicated below except for the filing fee **FEE CALCULATION** 1A. BASIC FILING FEE/SEARCH FEE/EXAMINATION FEE **Large Entity Small Entity** Fee Fee Fee Fee Code Code **Fee Description** Fee Paid (\$) (\$) 1011 Utility application filing fee 300 2011 150 \$300.00 1111 500 Utility search fee 1,000/500\* 2111 250 <u>\$500.00</u> 1311 200 100 Utility examination fee 2311 \$200.00 1012 200 2012 100 Design application filing fee 1112 100 Design search fee 2112 50 430/215\* 1312 130 2312 65 Design examination fee 1013 200 2013 100 Plant filing fee 1113 300 2113 150 Plant search fee 660/330\* 1313 160 2313 80 Plant examination fee 1004 300 2004 150 Reissue filing fee 1114 500 2114 Reissue search fee .400/700\* 250 1314 600 300 2314 Reissue examination fee 1005 200 100 Provisional application filing fee 2005

\* List the filing, search, and examination fees separately, but pay concurrently.

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### FEE CALCULATION (continued) 3. ADDITIONAL FEES Large Entity Small Entity Fee Fee Fee Fee Fee Paid Code Code **Fee Description** (\$) (\$) Surcharge - late filing fee or oath Surcharge - late provisional filing fee or cover sheet Non-English specification 2.520 2.520 For filing a request for ex parte reexamination 8.800 8,800 Request for inter parties reexamination 920\* 920\* Requesting publication of SIR prior to Examiner action 1.840\* 1.840\* Requesting publication of SIR after Examiner action Extension for reply within first month Extension for reply within second month 1,020 Extension for reply within third month Extension for reply within fourth month 1,590 1,080 Extension for reply within fifth month 2,160 **Notice of Appeal** Filing a brief in support of an appeal Request for oral hearing 1.000 Petition to institute a public use proceeding 1,510 1,510 Petition to revive - unavoidable 1,500 Petition to revive - unintentional 1,400 Utility issue fee (or reissue) Design issue fee Plant issue fee Petitions to the Commissioner (CFR 1.17(h) Group III) Petitions to the Commissioner (CFR 1.17(g) Group II) Petitions to the Commissioner (CFR 1.17(f) Group I) Processing fee under 37 CFR 1.17(q) **Submission of Information Disclosure Stmt** Recording each patent assignment per property (times number of properties) For filing a submission after final rejection (see 37 CFR 1.129(a)) Statutory Disclaimer For each additional invention to be examined (see 37 CFR 1.129(b)) Request for Continued Examination (RCE) Request for expedited examination of a design application Publication fee for early, voluntary, or normal pub. Publication fee for republication Request for voluntary publication or republication Processing fee under 37 CFR 1.17(i) (except provisionals) 1.370 Acceptance of unintentionally delayed claim for priority 1,370 Other fee (specify) Other fee (specify) SUBTOTAL (4) \$\_ \*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Thomas S. Ferrill

Signature: Johns Steme Date: 3-2-05

 Reg. Number:
 42,532
 Telephone Number:
 408-720-8300

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Substitute	for Form 144	9/PTO			Complete	if Known	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450**.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

## Complete if Known Substitute for Form 1449/PTO Application Number 10/789,552 INFORMATION DISCLOSURE Filing Date February 26, 2004 STATEMENT BY APPLICANT First Named Inventor: Hossein Sedarat (use as many sheets as necessary) Art Unit 2631 **Examiner Name** Attorney Docket Number 006491.P059 **Sheet** 2 of NON PATENT LITERATURE DOCUMENTS $\mathsf{T}^2$ Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner No<sup>1</sup> item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Initials\* number(s), publisher, city and/or country where published FRANKLIN, CURT, "How DSL Works," How Stuff Works, /LN/ http://computer.howstuffworks.com/dsl.htm/printable, printed November 16, 2004. SEDARAT, HOSSEIN, et al., "Impulse Noise Protection for Multi-Carrier Communication Systems", Submitted to IEEE ICASSP (2005). SEDARAT, HOSSEIN, et al., "Multicarrier Bit-Loading in Presence of Biased Gaussian Noise Sources", IEEE Consumer Communication and Networking Conference, January 2005. BACCARELLI, ENZO, et al., "Novel Efficient Bit-Loading Algorithms for Peak-Energy-Limited ADSL-Type Multicarrier Systems, IEEE Trans on Signal Processing, vol. 50, no. 5, May 2002. SONALKAR, RANJAN, et al., "An Efficient Bit-Loading Algorithm for DMT Application," IEEE Comm. Letters, vol. 4, pp. 80-82, March 2000. CAMPELLO, JORGE, "Optimal Discrete Bit Loading for Multicarrier Modulation Systems," IEEE International Symposium on Information Theory, August 1998, Cambridge, MA. CHOW, PETER S., et al., "A Practical Discrete Multitone Transceiver Loading Algorithm for Data Transmission over Spectrally Shaped Channels," IEEE Trans. on Communications, vol. 43, no. 2, 1995. FISCHER, ROBERT F.H., et al., "A New Loading Algorithm for Discrete Multitone Transmission," IEEE, 1996, pp. 724-728. LAMPE, LUTZ H.-J., et al., "Performance Evaluation of Non-Coherent Transmission over Power Lines," 8 pgs. 2000 HENKEL, WERNER, et al., "Maximizing the Channel Capacity of Multicarrier Transmission

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner

Signature

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

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by Suitable Adaptation of the Time-Domain Equalizer," IEEE, Vol. 48, no. 12, December

Date

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03/27/2008

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### Substitute for Form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known					
Application Number	10/789,552				
Filing Date	February 26, 2004				
First Named Inventor:	Hossein Sedarat				
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Sheet	3	3 of 4 Attorney Docket Number 006491.P059					
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/LN,	/LN/ LASHKARIAN, NAVID, et al., "Fast Algorithm for Finite-Length MMSE Equalizers with Application to Discrete Multitone Systems," IEEE 1999, pp. 2753-2756.						
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0000	"Draft Standard," Network and Customer Installation Interfaces- Asymmetric Digital Subscriber Line (ADSL) Metallic Interface, Draft American National Standard for Telecommunications, Alliance for Telecommunications Industry Solutions, T1.413-1998.						
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<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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### Substitute for Form 1449/PTO Complete if Known **Application Number** 10/789,552 INFORMATION DISCLOSURE Filing Date February 26, 2004 STATEMENT BY APPLICANT First Named Inventor: Hossein Sedarat (use as many sheets as necessary) **Art Unit** 2631 **Examiner Name**

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/LN/		MILOSEVIC et al., "Simultaneous Multichannel Time Domain Equalizer Design Based on the Maximum Composite Shortening SNR". Dept. of Electrical and Computer Eng., The University of Texas, Austin Texas, Prior to filing date of current application, pp. 5 total. 2002							
/LN/				-User Constant-Energy Bit Lovision Multiplexing", © 2002 I					
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/LN/		(IFIR)-Based Echo	CHENG-SHING WU et al., "A Novel Cost-Effective Multi-Path Adaptive Interpolated FIR (IFIR)-Based Echo Canceller", © 2000 IEEE, pp. V-453-V-456.						
/LN/		Ranjan V. Sonalkar et al., "Shannon Capacity of Frequency-Overlapped Digital Subscriber Loop Channels", © 2002 IEEE, pp. 1741-1745.							
/LN/		IVAN A. PEREZ-ALVAREZ et al., "A Differential Error Reference Adaptive Echo Canceller for Multilevel PAM Line Codes*" *Work supported by National Project T1C95-0026, © 1996, IEEE, pp. 1707-1710.							
/LN/		NADEEM AHMED et al., "Optimal Transmit Spectra for Communication in the Presence of Crosstalk and Imperfect Echo Cancellation", Copyright 2001 IEEE, pp. 17-21.							

Examiner	/Leon Viet Nguyen/	Date	03/27/2008
Signature		Considered	

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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